



Product Service

CERTIFICATE

No. B 086470 0256 Rev. 01

Holder of Certificate: **Ginlong Technologies Co., Ltd.**

No.57 Jintong Road
Binhai Industrial Park, Xiangshan
315712 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Converter**

Hybrid Inverter

Model(s):

S6-EH3P60K10-LV-ND-H, S6-EH3P60K10-LV-YD-H,
S6-EH3P75K10-LV-ND-H, S6-EH3P75K10-LV-YD-H,
S6-EH3P75K10-NV-YD-H, S6-EH3P80K10-NV-ND-H,
S6-EH3P80K10-NV-YD-H, S6-EH3P99.9K10-NV-ND-H,
S6-EH3P99.9K10-NV-YD-H, S6-EH3P100K10-NV-ND-H,
S6-EH3P100K10-NV-YD-H, S6-EH3P125K10-NV-ND-H,
S6-EH3P125K10-NV-YD-H

Parameters: See next pages

Tested according to: IEC 62109-1:2010
EN 62109-1:2010
IEC 62109-2:2011
EN 62109-2:2011

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092514258-01
Valid until: 2030-11-02

Date, 2025-11-03

(Kai Zhao)

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Models	S6-EH3P60K10-LV-ND-H	S6-EH3P60K10-LV-YD-H	S6-EH3P75K10-LV-ND-H
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 950 Vd.c.		
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	300, ..., 950 Vd.c.		
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)			
Max.(rated) output power	60000 VA	60000 VA	75000 VA
Nominal output voltage	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.
Nominal frequency	50 / 60 Hz		
Max.(rated) output current	157.5 Aa.c.@ 220 Va.c. 150.6 Aa.c.@ 230 Va.c.	157.5 Aa.c.@ 220 Va.c. 150.6 Aa.c.@ 230 Va.c.	196.8 Aa.c.@ 220 Va.c. 188.2 Aa.c.@ 230 Va.c.
AC input (for Grid and Gen)			
Nominal voltage	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	157.5 Aa.c.@ 220 Va.c. 150.6 Aa.c.@ 230 Va.c.	157.5 Aa.c.@ 220 Va.c. 150.6 Aa.c.@ 230 Va.c.	196.8 Aa.c.@ 220 Va.c. 188.2 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz		
General parameters			
Power factor range	-0.8...1...+0.8		
Protective class	I		
Ingress protection	IP66		
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)		
Operating temperature range	-25 °C...+60 °C		
Inverter topology	Non-isolated		

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Models	S6-EH3P75K10-LV-YD-H	S6-EH3P75K10-NV-YD-H	S6-EH3P80K10-NV-ND-H
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 950 Vd.c.		
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	300, ..., 950 Vd.c.		
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)			
Max.(rated) output power	75000 VA	75000 VA	80000 VA
Nominal output voltage	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz	60 Hz	50 / 60 Hz
Max.(rated) output current	196.8 Aa.c.@ 220 Va.c. 188.2 Aa.c.@ 230 Va.c.	114.0 Aa.c.@ 220/380 Va.c. 108.3 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)			
Nominal voltage	3/(N)/PE 220 Va.c. 3/(N)/PE 230 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 230/400 Va.c.	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	196.8 Aa.c.@ 220 Va.c. 188.2 Aa.c.@ 230 Va.c.	114.0 Aa.c.@ 220/380 Va.c. 108.3 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	60 Hz	50 / 60 Hz
General parameters			
Power factor range	-0.8...1...+0.8		
Protective class	I		
Ingress protection	IP66		
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)		
Operating temperature range	-25 °C...+60 °C		
Inverter topology	Non-isolated		

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Models	S6-EH3P80K10-NV-YD-H	S6-EH3P99.9K10-NV-ND-H	S6-EH3P99.9K10-NV-YD-H
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 950 Vd.c.		
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	300, ..., 950 Vd.c.		
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)			
Max.(rated) output power	80000 VA	99900 VA	99900 VA
Nominal output voltage	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Max.(rated) output current	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)			
Nominal voltage	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 230/400 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
General parameters			
Power factor range	-0.8...1...+0.8		
Protective class	I		
Ingress protection	IP66		
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)		
Operating temperature range	-25 °C...+60 °C		
Inverter topology	Non-isolated		

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Models	S6-EH3P100K10-NV-ND-H	S6-EH3P100K10-NV-YD-H	S6-EH3P125K10-NV-ND-H	S6-EH3P125K10-NV-YD-H
PV input				
Max. input voltage	1000 Vd.c.			
MPPT voltage range	150, ..., 950 Vd.c.			
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input				
Battery type	Li-ion			
Battery voltage range	300, ..., 950 Vd.c.			
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)				
Max.(rated) output power	100000 VA	100000 VA	125000 VA	125000 VA
Nominal output voltage	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Max.(rated) output current	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)				
Nominal voltage	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.
Gen max.(rated) continuous current	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
General parameters				
Power factor range	-0.8...1...+0.8			
Protective class	I			
Ingress protection	IP66			
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)			
Operating temperature range	-25 °C...+60 °C			
Inverter topology	Non-isolated			